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# RELOCATION INSTRUCTIONS

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FOR

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OVERHMENT DOCUMENTS
COLLECTION

JUN 9 1988

MASHPEE

University of Massachusetts RISK AREA

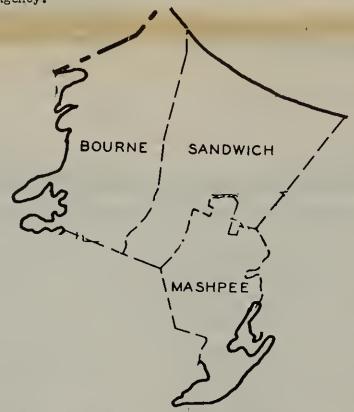
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INCLUDING

## BOURNE MASHPEE SANDWICH

These official instructions were prepared by the Massachusetts Civil Defense Agency in cooperation with the United State Defense Civil Preparedness Agency.



#### THIS AREA MAY BE RELOCATED

IF A NUCLEAR ATTACK OCCURS, THE AREA SHOWN ABOVE WOULD BE SUBJECT TO THE GREATEST DANGER. ALL PERSONS LIVING IN THIS RISK AREA MUST EVACUATE, WHEN ORDERED, TO PROVINCETOWN, DESIGNATED A "HOST AREA". YOU MUST EVACUATE, WHEN ORDERED, FOLLOW ALL INSTRUCTIONS FOR YOUR TOWN ON PAGE 3, AND OTHER GENERAL INSTRUCTIONS IN THIS BOOKLET.

(RESIDENTS OF PROVINCETOWN (HOST COMMUNITY) SEE GUIDANCE ON PAGE 6

This Information is your key to survival, Read It..... Keep It

#### IF THE SITUATION WORSENS

If the present crisis becomes more serious, evacuetion of the Risk Area may be ordered. All persons living in the Risk Area will be instructed to move to e safer location called "Host Area". Plens have been mede to shelter, feed end protect the evacuees.

Those living in this Risk Area who do not leave according to instructions will be subject to strictly-enforced curfews. Movement within the Risk Area will be severely restricted to protect the property of those who have evacueted. In eddition, most facilities or services cannot be provided in the Risk Area during the evacuetion period. In general, food and retail outlets will be closed. Available food and goods will be used to supply the evecueted population in the Reception Areas.

#### PREPARE NOW

Here ere some things you can do right now that will better prepare you and your family to survive end recover if e nuclear etteck should occur.

- Check to see If you live in the Risk Area: look et map on page 1.
- · Go over the checklist below of things to take with you. If you will need prescription medicine or speciel food, check to see if you have en emple supply.
- Check your route assignment on page 3 and route map on page 4.
- Check your home for security. See that eil locks ere secure. Store valuebles in a safe piace. Close all window shedes, blinds and drepes.
- . If you will use your car, be sure you have enough gas to get you to the Host Area.
- . STAY TUNED TO YOUR LOCAL TV OR RADIO STATIONS FOR INSTRUCTIONS. THEY WILL BROADCAST THE NOTICE TO EVAC-UATE. IF DIRECTED BY GOVERNMENT OFFICIALS.
- Read this supplement carefully end discuss it with your femily.

cups, and napkins

plastic and paper bags

candles and matches

plastic drop cloth

pan

#### IF EVACUATION IS ORDERED

When official notice to evacuate is given, pack your family car with the Items listed below and follow the route Instructions for your area on page You will have pienty of time - severel days is allowed for movement - but leave when the order is given so you will heve plenty of time to get settled in the Host Area end assist the people there.

#### ON THE WAY

- KNOW YOUR OESTINATION (Reception Center) See page 3.
- Keep your windshield merker (page 11 & 12) in view.
- Follow the directions of police end sheriffs.
- Keep your radio on for more information

#### WHEN YOU ARRIVE IN THE HOST AREA

When you arrive at the reception erea stey in your car until reception personnel either ask you to come into the center or direct you to e hosting facility where you will sleep, eat, etc. You mey be asked to help personnel in the Host Area.

#### **KEY WORKERS -**SPECIAL GROUPS

Certain key workers and their families (doctors, police, etc.) and other special groups will relocate to predesignated facilities. If you are a key worker, follow the instructions you receive at work and use this booklet for general information. Key workers will be housed at the Cope Cod Community College in Hyannis.

#### IF YOU HAVE A VACATION CABIN, **RELATIVES, FRIENDS...**

As the crisis intensifies and evacuetion eppears imminent, if you have e vecation cabin or friends or relatives outside the Risk Area but within e reasoneble distance, go there as soon as possible. As evecuetion gets underwey, it mey be difficult or impossible to get to the location of your choica.

I	HINGS TO TAK	E WITH YOU	
CLOTHING AND BEDDING	PERSONAL, SAFETY, SANITATION, AND MEDICAL SUPPLIES	TOOLS FOR CONSTRUCTING A FALLOUT SHELTER	IMPORTANT PAPERS  □ ★ Social Security card
<ul> <li> ★ extra underclothing</li> <li> ★ outerwear (depending on season)</li> <li> ★ rain garment</li> <li> ★ extra pair of shoes</li> <li> ★ extra socks or stockings*</li> <li> □ sleeping bags and/or blankets and sheets</li> </ul>	<ul> <li>⇒ battery operated (transistor) radios, extra batteries</li> <li>⇒ flashlight, extra batteries</li> <li>⇒ soap</li> <li>⇒ toothbrush &amp; toothpaste</li> <li>⇒ shaving articles</li> <li>⇒ sanitary napkins</li> <li>⇒ detergent</li> <li>⇒ towels and washcloths</li> </ul>	plck ax shovel saw hammer ax crowbar nalis and screws screwdriver wrench	<ul> <li> ★ deeds</li> <li> ★ insurance policies</li> <li> ★ stocks and bonds</li> <li> ★ will</li> <li> ★ savings account books</li> <li> ★ credit cards, checks and currency</li> <li> ★ This Bookiet and all other Civil Defense</li> </ul>
FOOD AND UTENSILS  Take all the food you can carry (particularly canned or dried food requiring little preparation) water thermos jug or plastic bottles bottle and can opener eating utensils	toilet paper emergency tollet garbage can newspapers first aid kit special medication (insulin, heart tablets, or other)  toilet paper emergency tollet special medication special medication (insulin, heart tablets, or other)	DO NOT TO	uns of any kind)

\* diapers

□ ★ powder

\* bottles and nipples

\* milk or formula

□ ★ rubber sheeting, etc.

★ Items to take If you use Public Transportation

#### **EVACUATION ROUTE TABLE** RISK AREA MAIN ROUTES RECEPTION TOWN RECEPTION CENTER Post Office **US** 6 Bourne Provincetown Commercial Street Provincetown High School **US** 6 Mashpee Provincetown Winslow Street Provincetown High School Sandwich US 61 and 6 Provincetown Winslow Street PROVINCETOWN



# IF YOU NEED TRANSPORTATION

If you do not have a car or truck and cannot go with a friend or neighbor, then report to the nearest public school in the Risk Area during daylight hours. You will be taken by bus to a safe place in the Host Area.

If you are disabled or cannot get to the nearest Risk Area public school by yourself, call your local Civil Defense Office.

# FOR FURTHER INFORMATION CONTACT: Information Center

Bourne C.D. Office - 759-4084
Mnchor F.H. office - 477-1717
Sandwich C.D. Office - 383-0136

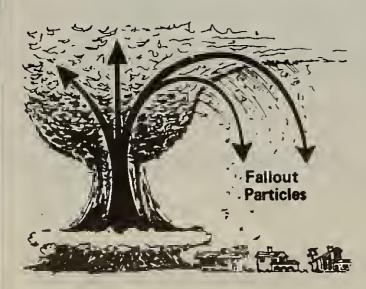
#### FACTS ABOUT A NUCLEAR EXPLOSION

If you are in an unprotected area near where a nuclear weapon explodes, you could not survive the effects of the blast and heat generated by the explosion. After the explosion, the major danger is from radiation sickness caused by radioactive fallout. This fallout can endanger the life and health of people

#### WHAT CAUSES FALLOUT....

When a nuclear weapon explodes, great quantities of earth and other debris are sucked up into a nuclear cloud. The bits and particles of earth are mixed with the radioactive materials produced by the explosion and become "radioactive."

Within a short time, these fallout particles drlft back to earth. Carried by the wind, they can spread over a large area far from the explosion site.



The particles may look like fine grains of salt or sand, but the gamma rays they give off cannot be seen. (Special Instruments are required to detect the rays and measure their intensity.) The particles can be swept, brushed, or washed off.

#### WHY FALLOUT IS DANGEROUS

The gamma rays given off by radioactive fallout particles can cause physical and chemical changes in the cells of the body causing radiation sickness. No special clothing can protect you from the rays and there is no known drug or chemical that can prevent radiation from damaging the cells of the body. Large doses of radiation will cause death. But if you receive small or medium doses, the body will repair itself and you will get well.

The amount of gamma radiation that you can tolerate depends on a number of factors. The effects of radiation are more severe in very young or very old persons, and those not in good health. Also, a single large dose received in a short period of time is more damaging than the same dose received over a longer period.

People exposed to radiation DO NOT BECOME RADIOAC-TIVE and consequently, are not dangerous to other people. Radiation sickness is NOT contaglous and one person cannot infect another. outside the risk area. However, protective measures can be taken to safeguard you and your family from the effects of nuclear fallout.

This section describes what fallout is and how to protect your-self against its effects.

The gamma rays, however, are invisible and can pass through light materials. A considerable thickness of heavy material is required to stop the penetration of these rays.

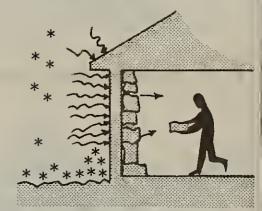
Single particle emitting gamma rays



Gamma radiation can penetrate light materials. It loses some of its strength, however, when it passes through.



The thicker and heavier the material the more gamma rays are blocked out, therefore fewer pass through to cause injury



The important points to remember about the danger of fallout are:

- You cannot see the gamma rays given off by fallout particles.
- Gamma radiation can penetrate light materials, therefore, heavy clothing alone will not protect you from these rays. If, during the first day or so, the fallout particles should get on your skin, they should be brushed off to avert skin burns.
- Radiation is more dangerous to very young, very old or sick people than those in good health.
- A large dose of radiation received in a short period is more damaging than smaller doses received over a longer period.
- Radiation sickness is not contagious and cannot be passed from one person to another.

## HOW TO PROVIDE FALLOUT SHELTER FOR YOU AND YOUR FAMILY

Meny larger buildings have been designated as public shelters. They are merked by signs like this:



However, most public shelters are in lerger cities and will be needed for key workers or those who cannot be relocated. The smaller counties that will serve as reception areas usually do not have enough shelters for their own residents. Consequently, it will be necessary for meny residents of the reception counties—AND FOR MOST CITY EVACUEES—to improvise their own fallout protection.

Both the residents of the reception counties and city evecuees will have to work hard, for e day or more, to construct improvised shelters to protect against fallout.

Designs for simple shelters are shown on Pages 8, 9, 10



# WHO WILL NEED PROTECTION FROM FALLOUT

There is no way of predicting in advance where or how soon fallout will settle to the ground. This depends on the weather and on the direction and speed of the winds.

Areas close to a nuclear explosion might receive fallout within 20 or 30 minutes. Depending on the winds, it may take 5 to 10 hours for particles to drilt down on communities 100 miles or more eway from the explosion.

The heavier particles giving off the most intense radiation will fall first. The lighter particles falling later will have lost much of their radiation high in the atmosphere. The first 24 hours after fallout begins to settle are the most dangerous. Once on earth, the radiation from the particles loses its strength over time. The longer you are in a shelter the lower the outside radiation levels will be when you emerge.

After a nuclear etteck, dangerous levels of fallout COULD occur any place in the United States. Everyone, therefore, must have protection in case fallout occurs in his community.



#### HOW TO PROTECT AGAINST FALLOUT

As described above radiation loses its strength:

- With the passage of time
- As it passes through materials
- As the distance from the particles is increased

The best protection is to surround yourself with heavy materiels. A fallout shelter will give you this kind of protection.

A fallout shelter does not need to be a special type of building. Any building will provide protection if the walls and roof are thick or heavy enough to absorb many of the reys given off by the particles outside. Even caves and mines can provide protection.

The key fact to remember is the farther you are from radioactive fallout particles and the more material you heve between you and the perticles, the safer you are from radiation. For example, you have more protection in a basement or inner corridor than on the top floor of a building or near an outside wall.

# HOW TO... IMPROVISE FALLOUT SHELTERS (Select the best one for you)

There ere two basic types of improvised shelters: (1) Those you improvise inside e house or other structure and, (2) those you construct outside, either ebove or below the ground. In either of these types of shelter the key is to GET AS MUCH HEAVY MATERIAL AND DISTANCE BETWEEN YOU AND THE FALLOUT AS YOU CAN. Heavy material will help shield you from the fallout radietion.

Shielding materials such as bricks, dirt, sand, concrete blocks, end concrete are best to use. Baled hay, sacked grain, and drawers or cartons filled with sand or earth can also be used as shielding material.

if you have been invited into a local resident's home, you should work with the residents to improvise fallout protection. If you are housed in a public building, you should cooperate with the other evacuees in providing shelter for those in your building.

The first 24 hours after fallout begins to settle is the most dangerous period. After the first few hours of the fallout period, it may be permissible to leave the shelter for short periods of time to get supplies, go to the bathroom, etc. However, until you are advised what the radiation danger is, you should AVOID EXPOSURE outside the shelter.

#### IF YOU LIVE IN THE HOST AREA:

This is the most serious crisis our country has ever feced. As a resident of the Host Area you can help save the lives of your neighbors from Bourne, Machpee, and Sandwich who have left their homes to seek safety here.

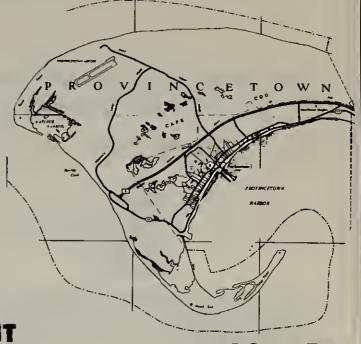
WILL YOU SHARE WITH ANOTHER FAMILY?

Your neighbors who have evecuated their homee need your help, particularly those familise with little children. Volunteer now to bring e family to live with you and help improve your fallout protection. You may be seving their lives. They will either bring food with them or help you buy enough. Call the number lieted for your town now!

IF YOU HAVE NO BASEMENT: Follow the instructions for expedient shelter on page 8, or as e last resort, seek fellout protection, if necessery, at the neerest public shelter.

IF YOU WORK IN THE HOST AREA: If you work in a needed industry in the Host Area (food, health service or others as designated) report to work as usual - you will be needed.

FOLLOW ALL OFFICIAL INSTRUCTIONS FOR HOST AREA RESIDENTS - KEEP YOUR RADIO AND



CALL NOW TO SHARE YOUR BASEMENT

Civil Defense Office - 487-9016

HOST AREA

# HOST AREA RESIDENTS ONLY

If you plan to use your own home for shelter-Study the following on how to improve your

#### HOME SHELTER

If you take shelter in the best protected part of your home, you can add additional protection. Although this might be possible at the time you receive warning to take shelter, a certain amount of preplanning is necessary if satisfactory results are to be expected. NOW IS THE TIME TO DECIDE WHAT YOU WILL DO AND HOW YOU WILL DO IT.

If your home has a basement, pick out the corner of your basement where the ground level outside is highest. This is the safest place in the basement.

If your home does NOT have e basement, some protection can be obtained in the central part of the house, at ground level farthest away from the roof and walls.

TO MAKE THESE AREAS SAFER:

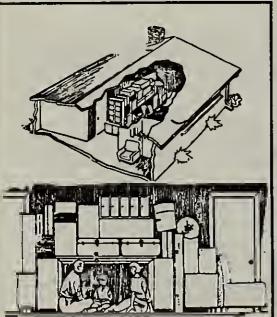
BASEMENT: Place boxes or drewers on top of e sturdy table or workbench and

fill with heavy material, such as dirt or sand or bricks. If the sides of the basement, away from the shelter area, have more than two feet of outside wall exposure, materials should also be placed around the open sides of the table. Be very careful not to overload the table to the point of collapse.

FIRST FLOOR OF HOUSE WITHOUT A BASEMENT: Place boxes or drawers on top AND around the sides of a sturdy table or workbench and fill them with heavy materials. Often a makeshift table can be made by using doors supported by cabinets or other pieces of furniture.

Further information about improving your home shelter can be found in the Civil Defense Booklet "IN TIME OF EMERGENCY" or from your local Civil Defense Chairman et your local town or city Civil Defense office.

#### **GROUND FLOOR SHELTER**



Place boxes or drewars on top and around the sides of a sturdy table or workbench.and fill them with heavy meterials. Often a makeshift table cen be made by using doors supported by cabinets or other pieces of furniture.

#### WHAT TO DO NOW

- (1) Study the sketches and decide which is applicable to your situation and select a shelter location.
- (2) Take note of available shielding materials such as bricks, concrete blocks, sand or loose earth which could be moved quickly.

Other things could also be used as shielding material, such as:

- House doors that have been taken off their hinges (especially heavy outside doors).
- Drassers and chests (especially if the drawers are filled with sand or earth).
- Tables end bookceses.
- Large appliances (such es washers, dryers, TV end hi-fi sets).
- Trunks, boxas and cartons (if filled with earth, sand or other heavy meterial).
- Books, magazinas, and stecks of firewood or lumber.
- Flagstones from outside walks and petios.
- (3) If no shialding materials are presently availble, obtain and store some in a convenient location.
- (4) Take note of non-erishable foods normally kept in the home. If these are not sufficient to maintain your family for two weeks, increase the supply.

#### **BASEMENT SHELTER**



SELECT THE CORNER OF YOUR BASEMENT WHERE THE GROUND LEVEL OUTSIDE IS HIGHEST. THIS IS THE SAFEST PLACE IN THE BASEMENT.

Place boxes or drewers on top of a sturdy table or workbench end fill with heavy material, such as dirt or send. If the sides of the basement away from the shelter erea have more then two feet of outside wall exposure, materials should also be placed around the open sides of the table. Be very careful not to overload the teble to the point of collapse.

# If you have no shelter available, follow these PLANS FOR EXPEDIENT

FALLOUT SHELTERS



#### SAVE THESE PLANS—THEY MAY SAVE YOUR LIFE

#### GENERAL INFORMATION

WITHOUT PROTECTION, UNTOLO NUMBERS OF AMERICANS WOULD DIE IN THE EVENT OF A NUCLEAR ATTACK. THE EXPEDIENT SHELTERS ILLUSTRATED IN THE FOLLOWING PAGES PROVICE PROTECTION TO OCCUPANTS FROM THE **OEACLY RACIATION OF RADIOACTIVE FALLOUT GENERATED BY A NUCLEAR** OETONATION-THEIR USE CAN SAVE THE LIVES OF MILLIONS OF AMERICANS.

EVEN THOUGH THE ILLUSTRATEO SHELTERS ARE VERY AUSTERE. THERE ARE A NUMBER OF THINGS THAT CAN BE CONE TO IMPROVE THEIR HABITABILITY AFTER THEY HAVE BEEN BUILT. WITH THE USE OF A LITTLE INGENUITY AND EFFORT, THE SHELTERS CAN BE MADE MORE COMFORTABLE. SOME OF THE THINGS THAT CAN BE OONE ARE:



THE ATTACK WARNING SIGNAL



A WAVERING TONE OR SHORT BLASTS FOR 3 TO 6 MINUTES ACTUAL ATTACK AGAINST THIS COUNTRY HAS BEEN DETECTED TAKE IMMEDIATE PROTECTIVE ACTION.

### **EXPEDIENT FALLOUT SHELTER TILT-UP DOORS AND EARTH**

LAY OUT THE TRENCH AND EARTH NOTCH WLOTHS, AS DIMENSIONED ON THE SECTION BELOW, ADJACENT TO A MASONRY WALL. DETERMINE THE LENOTH OF TRENCH AND NOTCH BY ALLOWING 3 FEET OF LENGTH PER PERSON TO BE SHELTERED.

SECTION

(TRENCH-EARTH NOTCH)

STEP 4

EXCAVATE TRENCH AND EARTH NOTCH. PLACE EXCAVATED EARTH OUTSIDE SHELTER LIMITS FOR LATER USE.

REMOVE DOOR KNOBS FROM ALL DOORS.
PLACE OOUBLE LAYER OF OOORS IN
NOTCH AND AGAIRST WALL AS SHOWN
IN SKETCH, EARTH-FILL STOP CAN BE
NAILED TO TOP LAYER DOORS BEFORE
OR AFTER PLACEMENT OVER TRENCH
BY USINO ABOUT 10 NAILS PER DOOR
WIOTH. PLACE ONE DOOR ON ECGE
LENGTHWISE AS THE END CLOSURE.

#### **TOOLS AND MATERIALS**

- 1. TOOLS: PICK, SHOVEL, HAMMER, SAW, SCREWDRIVER, KNIFE,
- 1. TOOLS: MCK, SHOVEL, HAMMER, SAW, SCREWDRIVER, KNIFE, YARDSTICK.
  2. SANDBAGS OR PILLOWCASES AT LEAST 39.
  3. LUMBER: 1" X 8" MECES ANO 2" X 4" PIECES FOR EARTH-FILL STOP. TOTAL LENGTH EOUAL TO LENGTH OF SHELTER.
  4. ROPE OR CORO TO TIE SANO BAGS.
  5. DOORS: TWO LAYERS FOR LENGTH OF SHELTER PLUS ONE FOR EN OCLOSURE.
  6. NAILS: 8 penny 12%" LONG), ABOUT 10 PER WIDTH OF OOUBLE LAYER DOORS.
  7. PLASTIC OR POLYETHYLENE (WATERPROOFINO MATERIAL) TO COVER DOUBLE LAYER OF DOORS PLUS ENTRANCE.
  8. WORK OLOVES FOR EACH WORKER.

PLACE ONE END OF THE WATERPROOFING MATERIAL UNDER THE TOP EDGE OF THE DOORS BEFORE EARTH FILL IS PLACED, BEGIN PLACEMENT OF EARTH FILL ON DOORS. COVER THE EARTH FILL WITH WATERPROOFING MATERIAL, SECURING IT WITH A THIN LAYER OF EARTH TO PREVENT IT FROM BLOWING AWAY. EARTH FILL TO SECURE WATERPROOFING MATERIAL PLASTIC OR POLYETHYLENE WATERPROOFING MATERIAL EARTHFILL; DEPTH - 6 INCHES AT TOP, 12 INCHES AT BASE THE PARTY OF SLIPT. DOUBLE THICKNESS OF DOORS EARTH NOTCH TO KEEP DOORS IN PLACE STEP 5

CONSTRUCT ENTRANCE — FILL "SANDBAO PILLOW-CASES" WITH EARTH TAKEN FROM THE TRENCH AND STACK TO DIMENSIONS SHOWN AFTER DOORS ARE IN PLACE. PLASTIC OR POLYETHYLENE (WATERPROOFING MATERIAL) ENTRANCE COVER SHOULD BE IN PLACE BEFORE EARTH FILL IS PUT ON THE DOORS.

#### **GENERAL INFORMATION**

READ AND STUDY ALL INSTRUCTIONS BEFORE STARTING TO BUILD. THE LOCATION SELECTED FOR THIS SHELTER SHOULD BE LEVEL OR DENTLY SLOMIND DOWN AND AWAY FROM THE MASONRY WALL. A FOUR-PERSON SHELTER CAN BE CONSTRUCTED BY FOUR PEOPLE WORKING A TOTAL OF 12 HOURS EACH.

